

Codimension one Fano distributions

Carolina Araujo (IMPA), Mauricio Corrêa (UFMG), Alex Massarenti (UFF)

Resumo/Abstract:

A holomorphic distribution $D \subset T_X$ on a complex projective manifold X is said to be “Fano” if its anti-canonical class $-K_D = c_1(D)$ is ample. In recent years, Fano foliations have been much investigated, and those with most positive anti-canonical class have been classified. On the other hand, little is known about Fano distributions in general.

In this talk we shall discuss codimension one Fano distributions on Fano manifolds with Picard number one, including their classification in some special cases and their moduli spaces.